

## Cat 5e Angled 110-Style Patch Panels

### APPLICATION

Leviton Cat 5e Angled 110-Style Patch Panels are designed to increase capacity in industry-standard 19-inch racks and cabinets. The unique 128-degree angled design easily routes cables into vertical cable managers, minimizing the need for additional horizontal cable management in the rack. The panels promote long-term cable management and attractive cabling installations. Leviton Cat 5e systems are designed for use in high-megabit applications such as Gigabit Ethernet.



5G597-L24



5G597-U48

### SPECIFICATION

Patch panels shall meet or exceed the requirements for channel- and component-level performance as described in ANSI/TIA-568.2-D Category 5e standards, as well as the Class D requirements described in ISO/IEC 11801. The panels shall feature both T568A and T568B wiring configurations, white IDC 110-punchdown modules, and color-coded front window labeling. The panels shall have universal T568A and T568B wiring card for termination. The panels shall be made of 14-gauge steel, and shall have a black painted finish with white silk-screening. Plastic elements shall be fire retardant with a UL flammability rating of 94V-0. The panels shall be offered in 24-port and 48-port configurations. The panel shall have a 128-degree angle to improve cable management. The patch panels shall be configured with six port modules. The 110 termination on the rear of the panel shall follow normal installation color sequence (blue, orange, green, brown) from left to right. The panels shall exceed IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously.

### FEATURES

- Patented Retention Force Technology protects tines from damage and increases system longevity
- Craft-friendly installation
- Universal T568A and T568B wiring cards for 110-style IDC terminations
- Color-coded front labeling for easy port identification (ANSI/TIA-606-C compliant)
- Terminates 26-22-gauge solid conductors
- Capable of multiple re-terminations
- Features a 128-degree angled design
- Panel available with patented magnifying lens label holder for easy reading
- Will exceed IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously
- ETL verified to meet the IEC 60512-99-002 standard for support of IEEE 802.3bt Type 4 PoE (90-watt) applications

### DESIGN CONSIDERATIONS

- Mounts on 19-inch equipment racks
- Panel offered in 24-port and 48-port configurations
- Connector modules are in groups of six
- Optional angled rear cable management bar (sold separately)

### STANDARDS COMPLIANCE

- ANSI/TIA-568.2-D (Cat 5e)
- ISO/IEC 11801-1 (Class D)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 60512-99-002
- IEEE 802.3bt PoE Type 1 (15.4 Watts) formerly 802.3af, Type 2 (30 Watts) formerly 802.3at, Type 3 (60 Watts), Type 4 (90 Watts)
- Cisco UPoE (60 Watts), UPoE+ (90 Watts)
- Power over HDBaseT™ PoH (95 Watts)

### COUNTRY OF ORIGIN

USA

### WARRANTY INFORMATION

For a copy of Leviton product warranties, visit [www.leviton.com/warranty](http://www.leviton.com/warranty).

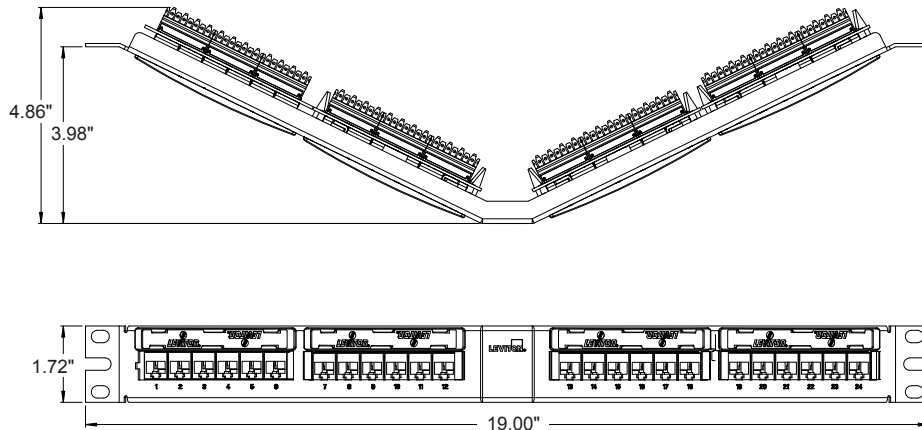
### ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit [www.leviton.com](http://www.leviton.com).

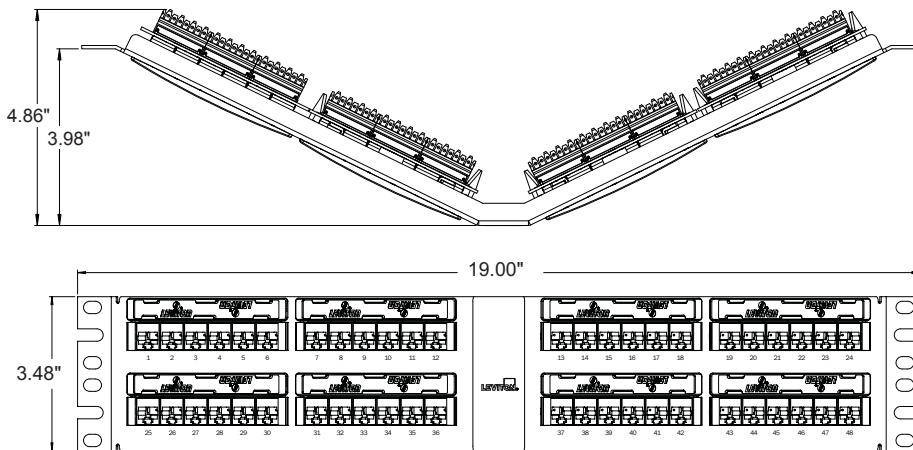
**PHYSICAL SPECIFICATIONS**

Dimensions: See below  
 Capacity: 24 ports and 48 ports  
 Materials: 14-gauge steel, powder coated black; PCB and plastic components are rated per UL 94V-0

5G597-U24, 5G597-L24



5G597-U48, 5G597-L48



5G597-xxx

**PART NUMBERS**

Description	Part No.
Cat 5e Angled 110-Style Patch Panel, 24-Port, 1RU	5G597-U24
Cat 5e Angled 110-Style Patch Panel with magnifying lens label holder, 24-Port, 1RU	5G597-L24
Cat 5e Angled 110-Style Patch Panel, 48-Port, 2RU	5G597-U48
Cat 5e Angled 110-Style Patch Panel with magnifying lens label holder, 48-Port, 2RU	5G597-L48

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